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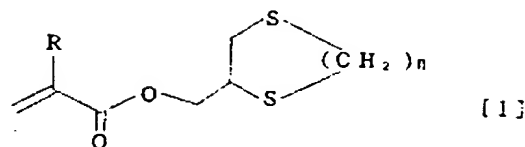
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INVENTOR : OKADA REISUKE;

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TITLE : PLASTIC LENS MATERIAL



ABSTRACT : PURPOSE: To provide the plastic lens material which has a high refractive index and Abbe number and has high strength and high heat resistance by using a polymer formed by polymerizing monomers introduced with alicyclic sulfide as a residual ester group.

CONSTITUTION: The plastic lens material consists of the polymer contg. the compd. expressed by general formula [I] as its essential monomer component. The monomer expressed by the general formula [I] includes 4-(meth) acryloxymethyl-1, 3-dithiorane and 2-(meth)acryloxymethyl-1, 4-dithiane. The preferable ratio of the monomer expressed by the general formula [I] is 50 to 100wt.%. Namely, the effect of enhancing the refractive index, strength and heat resistance is low if the ratio is below 50wt.%. The monomer used as the copolymer component is exemplified by a monofunctional monomer, monofunctional monomer, macromonomer, etc. The homopolymers having ≥ 1.48 refractive index are preferable.

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